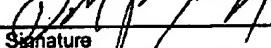


# Exhibit I

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Office of Initial Patent Examination, Customer Service Center, Washington, D.C. 20231 on May 24, 2001.

David P. Krivchik  
Name

  
Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Patent Application of:** :  
**MADARASZ et al.** :  
**Serial No.:** 09/781,035 :  
**Filed:** February 9, 2001 :  
**For:** Bayesian Methods For Flow Parameter Estimates In Magnetic Resonance Imaging :  
: Date: May 24, 2001  
: Attorney Docket: 4683-107 US  
:

Assistant Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, D.C. 20231

**REQUEST FOR CORRECTED FILING RECEIPT**

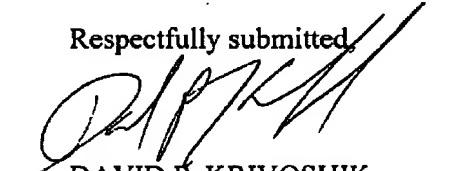
Sir:

In response to the "Filing Receipt" and "Notice to File Missing Parts of Nonprovisional Application Filed Under 37 CFR 1.53(b) – Filing Date Granted" both mailed on May 21, 2001, the applicant believes the application was complete. The applicant called Customer Service Center Initial Patent Examination Division at (703)308-1202 to discuss an error in the filing receipt. The patent application included a facsimile copy of the signed Declaration and Power of Attorney for Frank L. Madarasz, Ramarao Inguva and James K. Wyly, the inventors who are also identified in the provisional patent application to which priority is claimed, the filing receipt omitted inventor James K. Wyly. The USPTO acknowledged that the facsimile copy of the

signed Declaration and Power of Attorney for Frank L. Madarasz, Ramarao Inguva and James K. Wyly, the inventors, was filed with the application and that the Notice to File Missing Parts was in error. This is to confirm our understanding that the application is complete, containing the facsimile copy of the signed Declaration and Power of Attorney for Frank L. Madarasz, Ramarao Inguva and James K. Wyly, the inventors.

If there are any fees due in respect to this response, please charge them to Deposit Account No. 13-2165. Authority is hereby given to charge any such deficiency, or credit any overpayment to Deposit Account No. 13-2165 Mathews, Collins, Shepherd & Gould. The Examiner is invited to contact the undersigned if further information is required.

Respectfully submitted,



DAVID P. KRIVOSHIK  
Reg. No. 39,258  
ATTORNEY FOR APPLICANT

David P. Krivoshik, Esq.  
Mathews, Collins, Shepherd & Gould, P.A.  
100 Thanet Circle Suite 306  
Princeton, NJ 08540-3674



**UNITED STATES PATENT AND TRADEMARK OFFICE**

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE RECD	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/781,035	02/09/2001	3737	355	4683-107 US	2	14	3

**CONFIRMATION NO. 1585**

25241  
MATHEWS, COLLINS, SHEPHERD & GOULD, PA  
100 THANET CR, SUITE 306  
PRINCETON, NJ 08540

**FILING RECEIPT**



\*OC00000008098173\*

Date Mailed: 05/21/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Frank L. Madarasz, Madison, AL;  
Ramarao Inguva, Huntsville, AL;

**Domestic Priority data as claimed by applicant**

THIS APPLN CLAIMS BENEFIT OF 60/181,823 02/11/2000

**Foreign Applications**

If Required, Foreign Filing License Granted 03/29/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**\*\* SMALL ENTITY \*\***

**Title**

Bayesian methods for flow parameter estimates in magnetic resonance imaging

**Preliminary Class**

MAY 24 2001



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONED FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/781,035	02/09/2001	Frank L. Madarasz	4683-102-US

## CONFIRMATION NO. 1585

25241  
 MATHEWS, COLLINS, SHEPHERD & GOULD, PA  
 100 THANET CR, SUITE 306  
 PRINCETON, NJ 08540



\*OC000000006098174\*

Date Mailed: 05/21/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.
- does not identify each inventor by full name, including the family name and at least one given name without abbreviation.

*A copy of this notice MUST be returned with the reply.*

*[Signature]*  
 Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

TITLE: Bayesian Methods for Flow

CASE NO.: 4683-107

SERIAL NO.: Here with

The Patent and Trademark Office acknowledges, and has stamped hereon, the date of the receipt of the items checked below and acknowledges authority to charge all fees to Account 13-2165.

PATENT APPLICATION - COMPLETE WITH:

- FEE AUTHORITY (x2)  CHECK 355.00  
 PRIORITY DOCUMENT  
 2 SHEETS OF (IN) FORMAL DRAWINGS  
 DECLARATION & POWER OF ATTORNEY  
 EXPRESS MAIL CERT. # EL 782539164 US  
 SMALL ENTITY STATEMENT

- AMENDMENT  ASSIGNMENT  CHECK  APPEAL NOTICE  
 APPEAL BRIEF  LETTER  PETITION  
 PRELIMINARY STATEMENT  PRIOR ART STATEMENT  
 STIPULATION  EXTENTION OF TIME  
 NOTICE OF OPPOSITION

ISSUE FEES:  BASE ISSUE  SUPPLEMENTAL

- CERTIFICATE OF CORRECTION  
 DECLARATION

TRADEMARK APPLICATION - COMPLETE WITH: U. S. PTO

- FEE AUTHORITY (x2)  CHECK 09/781035  
 DRAWING  SPECIMEN (x5)  
 PRIORITY DOCUMENT

COPYRIGHT APPLICATIONS - COMPLETE WITH:

- TRANSMITTAL LETTER  
 CHECK  
 SPECIMENS

PTO 1449

Copy of 2

MATTHEWS, COLLINS, SHEPHERD & GOULD

References cited

DPK

Please type a plus sign (+) inside this box → +

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 4683-107 US

First Inventor Frank L. Madarasz

Title Bayesian Methods for Flow Parameter Estimates in Magnetic Resonance Imaging

Express Mail Label No. EL 782539164 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages 27]  
*(preferred arrangement set forth below)*
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C.113) [Total Sheets 2]
- Oath or Declaration [Total Pages 4]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for a continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
*Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).*
- Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 C.F.R. §3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Labelor  Correspondence address below

Name

25241

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

David P. Krivoshik

Registration No. (Attorney/Agent)

39,258

Signature

Date

2/4/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision.*

<b>TOTAL AMOUNT OF PAYMENT</b>	(\$ ) 355
--------------------------------	-----------

<i>Complete if Known</i>	
Application Number	Herewith
Filing Date	Herewith
First Named Inventor	Frank L. Madarasz
Examiner Name	Unknown
Group / Art Unit	Unknown
Attorney Docket No.	4683-107 US

<b>METHOD OF PAYMENT (check one)</b>						<b>FEE CALCULATION (continued)</b>																																																																																																																																																																																																																																					
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: 13-2185</p> <p>Deposit Account Name: Mathews, Collins, Shepherd &amp; Gould</p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>						<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Large Entity</th> <th style="width: 15%;">Small Entity</th> <th colspan="4" style="text-align: center;">Fee Description</th> <th style="width: 15%;">Fee Paid</th> </tr> <tr> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee Code (\$)</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>85</td><td>85</td><td>85</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>25</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>130</td><td>130</td><td>Non-English specification</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>2,520</td><td>2,520</td><td>For filing a request for reexamination</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>920*</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>1,840*</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>115</td><td>110</td><td>216</td><td>55</td><td>55</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>118</td><td>390</td><td>216</td><td>196</td><td>196</td><td>196</td><td>Extension for reply within second month</td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>445</td><td>445</td><td>Extension for reply within third month</td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>695</td><td>695</td><td>Extension for reply within fourth month</td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>945</td><td>945</td><td>Extension for reply within fifth month</td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>155</td><td>155</td><td>Notice of Appeal</td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>155</td><td>155</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>135</td><td>135</td><td>Request for oral hearing</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>1,510</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>65</td><td>65</td><td>65</td><td>Petition to revive - unavoidable</td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>820</td><td>820</td><td>820</td><td>Petition to revive - unintentional</td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>620</td><td>620</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>220</td><td>220</td><td>Design issue fee</td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>300</td><td>300</td><td>Plant issue fee</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>130</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>130</td><td>130</td><td>Petitions related to provisional applications</td></tr> <tr><td>126</td><td>180</td><td>126</td><td>160</td><td>160</td><td>160</td><td>Submission of Information Disclosure Stmt</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>40</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>148</td><td>710</td><td>246</td><td>355</td><td>355</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>355</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>355</td><td>355</td><td>Request for Continued Examination (RCE)</td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>900</td><td>900</td><td>Request for expedited examination of a design application</td></tr> <tr><td colspan="6">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="6" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;">SUBTOTAL (3) <span style="border: 1px solid black; padding: 2px;">(\$ ) 0</span></td> </tr> </tbody> </table>						Large Entity	Small Entity	Fee Description				Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee (\$)	Fee (\$)	Fee (\$)		105	130	205	85	85	85	Surcharge - late filing fee or oath	127	50	227	25	25	25	Surcharge - late provisional filing fee or cover sheet	139	130	139	130	130	130	Non-English specification	147	2,520	147	2,520	2,520	2,520	For filing a request for reexamination	112	920*	112	920*	920*	920*	Requesting publication of SIR prior to Examiner action	113	1,840*	113	1,840*	1,840*	1,840*	Requesting publication of SIR after Examiner action	115	110	216	55	55	55	Extension for reply within first month	118	390	216	196	196	196	Extension for reply within second month	117	890	217	445	445	445	Extension for reply within third month	118	1,390	218	695	695	695	Extension for reply within fourth month	128	1,890	228	945	945	945	Extension for reply within fifth month	119	310	219	155	155	155	Notice of Appeal	120	310	220	155	155	155	Filing a brief in support of an appeal	121	270	221	135	135	135	Request for oral hearing	138	1,510	138	1,510	1,510	1,510	Petition to institute a public use proceeding	140	110	240	65	65	65	Petition to revive - unavoidable	141	1,240	241	820	820	820	Petition to revive - unintentional	142	1,240	242	620	620	620	Utility issue fee (or reissue)	143	440	243	220	220	220	Design issue fee	144	600	244	300	300	300	Plant issue fee	122	130	122	130	130	130	Petitions to the Commissioner	123	130	123	130	130	130	Petitions related to provisional applications	126	180	126	160	160	160	Submission of Information Disclosure Stmt	581	40	581	40	40	40	Recording each patent assignment per property (times number of properties)	148	710	246	355	355	355	Filing a submission after final rejection (37 CFR § 1.129(a))	149	710	249	355	355	355	For each additional invention to be examined (37 CFR § 1.129(b))	179	710	279	355	355	355	Request for Continued Examination (RCE)	169	900	169	900	900	900	Request for expedited examination of a design application	Other fee (specify) _____							*Reduced by Basic Filing Fee Paid						SUBTOTAL (3) <span style="border: 1px solid black; padding: 2px;">(\$ ) 0</span>
Large Entity	Small Entity	Fee Description				Fee Paid																																																																																																																																																																																																																																					
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee (\$)	Fee (\$)	Fee (\$)																																																																																																																																																																																																																																						
105	130	205	85	85	85	Surcharge - late filing fee or oath																																																																																																																																																																																																																																					
127	50	227	25	25	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																					
139	130	139	130	130	130	Non-English specification																																																																																																																																																																																																																																					
147	2,520	147	2,520	2,520	2,520	For filing a request for reexamination																																																																																																																																																																																																																																					
112	920*	112	920*	920*	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																					
113	1,840*	113	1,840*	1,840*	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																					
115	110	216	55	55	55	Extension for reply within first month																																																																																																																																																																																																																																					
118	390	216	196	196	196	Extension for reply within second month																																																																																																																																																																																																																																					
117	890	217	445	445	445	Extension for reply within third month																																																																																																																																																																																																																																					
118	1,390	218	695	695	695	Extension for reply within fourth month																																																																																																																																																																																																																																					
128	1,890	228	945	945	945	Extension for reply within fifth month																																																																																																																																																																																																																																					
119	310	219	155	155	155	Notice of Appeal																																																																																																																																																																																																																																					
120	310	220	155	155	155	Filing a brief in support of an appeal																																																																																																																																																																																																																																					
121	270	221	135	135	135	Request for oral hearing																																																																																																																																																																																																																																					
138	1,510	138	1,510	1,510	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																					
140	110	240	65	65	65	Petition to revive - unavoidable																																																																																																																																																																																																																																					
141	1,240	241	820	820	820	Petition to revive - unintentional																																																																																																																																																																																																																																					
142	1,240	242	620	620	620	Utility issue fee (or reissue)																																																																																																																																																																																																																																					
143	440	243	220	220	220	Design issue fee																																																																																																																																																																																																																																					
144	600	244	300	300	300	Plant issue fee																																																																																																																																																																																																																																					
122	130	122	130	130	130	Petitions to the Commissioner																																																																																																																																																																																																																																					
123	130	123	130	130	130	Petitions related to provisional applications																																																																																																																																																																																																																																					
126	180	126	160	160	160	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																					
581	40	581	40	40	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																					
148	710	246	355	355	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																																					
149	710	249	355	355	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																					
179	710	279	355	355	355	Request for Continued Examination (RCE)																																																																																																																																																																																																																																					
169	900	169	900	900	900	Request for expedited examination of a design application																																																																																																																																																																																																																																					
Other fee (specify) _____																																																																																																																																																																																																																																											
*Reduced by Basic Filing Fee Paid						SUBTOTAL (3) <span style="border: 1px solid black; padding: 2px;">(\$ ) 0</span>																																																																																																																																																																																																																																					
<p>*or number previously paid, if greater; For Reissues, see above</p>																																																																																																																																																																																																																																											

<b>SUBMITTED BY</b>						<i>Complete if applicable</i>	
Name (Print/Type)	David P. Krivoshik	Registration No. Attorney/Agent)	39,258	Telephone	(609) 924-8555		
Signature				Date	2/9/01		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/015 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.83)**

Declaration Submitted OR  Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

With Initial Filing

Attorney Docket Number	4683 10705
First Named Inventor	Madarasz
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As the below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Bayesian methods for flow parameter estimates in magnetic resonance imagine**

the specification of which (Title of the Invention)

 is attached hereto

OR

 was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached? YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
80181,823	2/11/2000	

[Page 1 of 2]

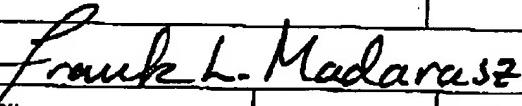
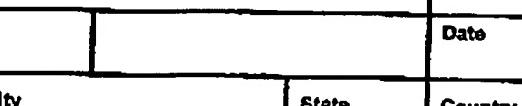
**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → **[+]**

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label		OR	<input type="checkbox"/> Correspondence address below
Name	25241				
Address	PATENT TRADEMARK OFFICE				
Address					
City			State	ZIP	
Country	Telephone				Fax
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor			
Given Name <u>Frank L.</u>		Family Name <u>Madarasz</u> or Surname			
Inventor's Signature 				Date <u>02/08/01</u>	
Residence: City <u>Madison</u>	State <u>AL</u>	Country <u>USA</u>	Citizenship <u>USA</u>		
Mailing Address <u>121 Yancy Road</u>					
Mailing Address					
City <u>Madison</u>	State <u>AL</u>	ZIP <u>35758</u>	Country <u>USA</u>		
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor			
Given Name <u>Ramarao</u>		Family Name <u>Inguva</u> or Surname			
Inventor's Signature 				Date	
Residence: City <u>Huntsville</u>	State <u>AL</u>	Country <u>USA</u>	Citizenship <u>USA</u>		
Mailing Address <u>1200 Sinclair Drive</u>					
Mailing Address					
City <u>Huntsville</u>	State <u>AL</u>	ZIP <u>35803</u>	Country <u>USA</u>		
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

[Page 2 of 2]

Please type a plus sign (+) inside this box →  +

PTO/SB/02A (10-00)

Approved for use through 10/31/2002. GOM 08/01-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:  Customer Number  
or Bar Code Label  OR  Correspondence address below

Name:	25241		
-------	-------	--	--

Address	PATENT TRADEMARK OFFICE		
---------	-------------------------	--	--

Address			
---------	--	--	--

City	State	ZIP
------	-------	-----

Country	Telephone	Fax
---------	-----------	-----

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that those statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
---------------------------------	---

Given Name: Frank L.	Family Name: Madarasz or Surname
----------------------	-------------------------------------

Inventor's Signature	Date
----------------------	------

Residence: City Madison	State AL	Country USA	Citizenship USA
----------------------------	-------------	----------------	--------------------

Mailing Address	121 Yancy Road		
-----------------	----------------	--	--

Mailing Address			
-----------------	--	--	--

City Madison	State AL	ZIP 35788	Country USA
-----------------	-------------	--------------	----------------

NAME OF SECOND INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
--------------------------	---

Given Name: Ramaresu	Family Name: Inguru or Surname
----------------------	-----------------------------------

Inventor's Signature	Date 5/8/01
----------------------	----------------

Residence: City Huntsville	State AL	Country USA	Citizenship USA
-------------------------------	-------------	----------------	--------------------

Mailing Address	1200 Binard Drive		
-----------------	-------------------	--	--

Mailing Address			
-----------------	--	--	--

City Huntsville	State AL	ZIP 35803	Country USA
--------------------	-------------	--------------	----------------

Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

[Page 2 of 2]

## DECLARATION

U.S. Patent and Trademark Office  
Governmental Offices  
Washington, D.C.

Name of Additional Inventor(s), if any:

Filing Number or Continuation

Date:  
Signature:

Date:  
Signature:

Inventor's Name: Brian

Address: 1000 University Drive

Mailing Address:

Residence Address:

City	State	Zip	Country
Wellesley	Mass.	02481	U.S.A.

Name of Additional Inventor(s), if any:

Given Name, Middle Name, and Maiden Name:

Relationship to Filer:

Mailing Address:

Residence Address:

City State Zip Country

Name of Additional Inventor(s), if any:

Given Name, Middle Name, and Maiden Name:

Relationship to Filer:

Mailing Address:

Residence Address:

City State Zip Country

I, the undersigned, declare under penalty of perjury that I am the inventor(s) of the subject matter described in my application for a patent filed herewith, and that I have not previously filed an application for a patent covering the same in the United States or elsewhere, except as set forth in my application for a patent filed herewith, and that I have not assigned or transferred any right, title or interest in the subject matter described in my application for a patent filed herewith, except as set forth in my application for a patent filed herewith.

Please type or print clearly if possible

PTO/SB/11 (10-00)

Approved for use through 10/31/2002, OMB 0861-0056

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

Application Number	TBA
Filing Date	2/9/2001
First Named Inventor	Madarasz
Group Art Unit	
Examiner Name	
Attorney Docket Number	4693 107 US

I hereby appoint:

 Practitioners at Customer Number

OR

 Practitioner(s) named below:

Name	Registration Number	TRADEMARK OFFICE
		25241

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

 Firm or Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

 Applicant. Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name: Frank L. Madarasz

Signature: *Frank L. Madarasz*

Date: 07/08/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  
Submit multiple forms if more than one signature is required, see below. \*Total of 3 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box 

PTO/SB/61 (10-00)

Approved for use through 10/31/2002. GMB 0561-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
GPO: 2002 OMB Control Number 1010-0085

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	TBA
Filing Date	2/9/2001
First Named Inventor	Madarasz
Group Art Unit	
Examiner Name	
Attorney Docket Number	

I hereby appoint:

 Practitioner at Customer Number 

OR

 Practitioner(s) named below:

Name	Registration Number, TRADEMARK OFFICE
<input type="text"/>	<input type="text"/>

Place  
Number  
Label here



25241

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.

OR

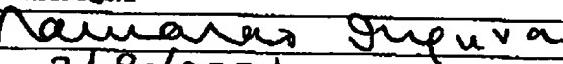
<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I am the:

 Applicant. Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name	Ramareao Ingava
Signature	
Date	2/8/2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

 Total of 3 forms are submitted.

**Burden Hour Statement:** This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FEB-09-2001 07:58 AM

016  
P.01

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Applicant Name	EA
First Name	EDWARD
Middle Name	Madarasz
Last Name	
Business Name	
Address	1450 1/2 MARKET ST. PHIL

Docket No. 25241

Correspondence or Transmittal Reference:

OP

25241

PATENT, TRADEMARK OFFICE

No authority is granted to prosecute the application identified above, until transact an interview at the Patent and Trademark Office connected herewith.

Please choose the correspondence address for the above reference number:

1. Correspondence Address

DW

2. Individual Name

Address

City

State

Zip

Country

Date Recd.

2. Attached

Enclosure of copy of the notice number: Case 27 PTC 171

Certificate under 37 CFR 1.71, Enclosed (Copy PTO/2898)

**Signature of Applicant or Assignee of Record**

Name: James K. Vandy

Signature

Date: 8 Feb 2001

NOTICE: Submission of this document in electronic form is in accordance with 37 CFR 1.8(a) and is equivalent to filing the document on paper. This document is being filed electronically. It is being filed with the U.S. Patent and Trademark Office. Electronic filing is the preferred method of filing with the U.S. Patent and Trademark Office. Three (3) forms are submitted.

This document is being filed electronically. It is being filed with the U.S. Patent and Trademark Office. Electronic filing is the preferred method of filing with the U.S. Patent and Trademark Office. This document is being filed electronically. It is being filed with the U.S. Patent and Trademark Office. Washington, DC 20591. DO NOT SEND THIS OR ANY OTHER FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Trademarks, U.S. Patent and Trademark Office, Washington, DC 20591.

**Exhibit 2**

4813-105 US

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on November 7, 2002.

Joyce Mathe  
(Name)

(Signature)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Madarasz, Frank :  
  
Serial No. 09/781,035 :  
Filed: February 9, 2001 : Group Art Unit: 3737  
For: Bayesian Methods For Flow : Examiner:  
Parameter Estimates in Magnetic :  
Resonance Imaging : Date: November 7, 2002

Commissioner for Patents  
Washington, D.C. 20231

SIR:

***STATUS REQUEST***

Request is hereby made for the status of the above-described application, as no Office Action has been received since May 21, 2001.

Respectfully submitted,

\_\_\_\_\_  
David P. Krivoshik  
Reg. No. 39,258  
Attorney for Applicants

DATE: November 7, 2002  
MATHEWS, COLLINS, SHEPHERD & MCKAY, P.A.  
100 Thanet Circle, Suite 306  
Princeton, New Jersey 08540-3662  
Telephone: (609) 924-8555  
Telecopier: (609) 924-3036

018

TITLE: *Bayesian Methods For Flow Parameters  
Estimation in Magnetic Resonance Imaging*

CASE NO.: 4913 -10545SERIAL NO.: 09/781,035

The Patent and Trademark Office acknowledges, and has stamped hereon, the date of the receipt of the items checked below and acknowledges authority to charge all fees to Account 13-2165.

 PATENT APPLICATION - COMPLETE WITH:

- FEE AUTHORITY (x2)  CHECK
- PRIORITY DOCUMENT
- \_\_\_\_ SHEETS OF (IN) FORMAL DRAWINGS
- DECLARATION & POWER OF ATTORNEY
- EXPRESS MAIL CERT. # \_\_\_\_\_
- SMALL ENTITY STATEMENT

- AMENDMENT  ASSIGNMENT  CHECK  APPEAL NOTICE
- APPEAL BRIEF  LETTER  PETITION
- PRELIMINARY STATEMENT  PRIOR ART STATEMENT
- STIPULATION  EXTENTION OF TIME
- NOTICE OF OPPOSITION

ISSUE FEES:  BASE ISSUE  SUPPLEMENTAL

- CERTIFICATE OF CORRECTION
- DECLARATION

 TRADEMARK APPLICATION - COMPLETE WITH:

- FEE AUTHORITY (x2)  CHECK
- DRAWING  SPECIMEN (x5)
- PRIORITY DOCUMENT

## COPYRIGHT APPLICATIONS - COMPLETE WITH:

- TRANSMITTAL LETTER
- CHECK
- SPECIMENS

Status Request Letter

MATHEWS, COLLINS, SHEPHERD &amp; MCKAY

DPK/SPR 11/7/03

*Bayesian Methods For Flow Parameters  
Estimation in Magnetic Resonance Imaging*

CASE NO.: 4813 -10545SERIAL NO.: 09/781,035

The Patent and Trademark Office acknowledges, and has stamped hereon, the date of the receipt of the items checked below and acknowledges authority to charge all fees to Account 13-2165.

 PATENT APPLICATION - COMPLETE WITH:

- FEE AUTHORITY (x2)  CHECK
- PRIORITY DOCUMENT
- \_\_\_\_ SHEETS OF (IN) FORMAL DRAWINGS
- DECLARATION & POWER OF ATTORNEY
- EXPRESS MAIL CERT. # \_\_\_\_\_
- SMALL ENTITY STATEMENT

 AMENDMENT  ASSIGNMENT  CHECK  APPEAL NOTICE

- APPEAL BRIEF  LETTER  PETITION
- PRELIMINARY STATEMENT  PRIOR ART STATEMENT
- STIPULATION  EXTENTION OF TIME
- NOTICE OF OPPOSITION

ISSUE FEES:  BASE ISSUE  SUPPLEMENTAL

- CERTIFICATE OF CORRECTION
- DECLARATION

 TRADEMARK APPLICATION - COMPLETE WITH:

- FEE AUTHORITY (x2)  CHECK
- DRAWING  SPECIMEN (x5)
- PRIORITY DOCUMENT

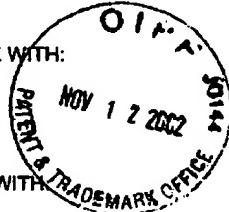
## COPYRIGHT APPLICATIONS - COMPLETE WITH

- TRANSMITTAL LETTER
- CHECK
- SPECIMENS

Status Request Letter

MATHEWS, COLLINS, SHEPHERD &amp; MCKAY

Received from &lt; 609 924 3036 &gt; at 5/16/03 5:12:18 PM [Eastern Daylight Time] →



PMG300C Application Processing History - 097810

File View Edit Application Processing Window Help

09781,035

- 10/06/2003 - 10/06/2003, PreExam Abandonment, Missing Parts Abandonment on 10/06/2003
  - Outgoing Correspondence
    - Abandonment Letter, 10/07/2003
  - Worker Task
    - Pre-exam Abandonment Processing, TUSHOMBE STOKES, 10/06/2003 - 10/06/2003
  - Incoming Correspondence
- 02/20/2001 - 05/21/2001, Initial Cycle, Missing Parts on 05/18/2001
  - Outgoing Correspondence
    - Formalities Letter, 05/21/2001
    - Filing Receipt, 05/21/2001
  - Worker Task
    - Pre-exam Formalities Review, GENET ASGEDOM, 05/18/2001 - 05/21/2001
    - Pre-exam Formalities Review, GENET ASGEDOM, 03/29/2001 - 04/16/2001
    - Pre-exam Formalities Review, YODIT GENET, 03/13/2001 - 03/29/2001
    - Pre-exam Formalities Review, MONICA YOUNG, 03/12/2001 - 03/13/2001
    - PICS Scanning Operation, SAMUEL ARAYA, 02/21/2001 - 03/02/2001
    - Application Patent Case Initialization, AATIFA WAHABZADAH, 02/20/2001 - 02/20/2001
  - Incoming Correspondence
    - Oath or Declaration, 02/09/2001

Systemname 10/06/2003